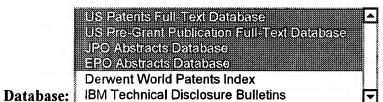


Search Results -

Terms	Documents
111 same 110	11



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Refine Search:							₹	Clear
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Search History

Today's Date: 10/3/2001

DB Name	Query	Hit Count	Set Name
USPT,PGPB,JPAB,EPAB	111 same 110	11	<u>L13</u>
USPT,PGPB,JPAB,EPAB	111 and 110	31	<u>L12</u>
USPT,PGPB,JPAB,EPAB	endosome	780	<u>L11</u>
USPT,PGPB,JPAB,EPAB	dendrimer	834	<u>L10</u>
USPT,PGPB,JPAB,EPAB	ester with 16	47	<u>L9</u>
USPT,PGPB,JPAB,EPAB	16 same 11	0	<u>L8</u>
USPT,PGPB,JPAB,EPAB	16 with 11	0	<u>L7</u>
USPT,PGPB,JPAB,EPAB	endos\$	29637-	<u>L6</u> -
USPT,PGPB,JPAB,EPAB	12 and 11	4	<u>L5</u>
USPT,PGPB,JPAB,EPAB	12 same 11	0	<u>L4</u>
USPT,PGPB,JPAB,EPAB	12 with 11	0	<u>L3</u>
USPT,PGPB,JPAB,EPAB	nucleic acid or dna	86878	<u>L2</u>
USPT,PGPB,JPAB,EPAB	poly with amido with amine	96	<u>L1</u>

2 of 2

WEST	unnennennetenatinassandabanenannannenne.
Generate Collection	

L13: Entry 8 of 11

File: USPT

Nov 3, 1998

DOCUMENT-IDENTIFIER: US 5830730 A

TITLE: Enhanced adenovirus-assisted transfection composition and method

ABPL:

A composition for transfecting eukaryotic cells comprising a cationic polymer which has protonatable groups which serve to buffer the acidic endosome, protecting the endocytosed polynucleotide from degradation and a viral agent is used to target uptake into and/or lysis from endosomes in the desired eukaryotic cell. By co-infecting the eukaryotic cells with cationic polymer, polynucleotide, and the viral agent, the polynucleotide is brought into the cell and then released. Preferably, polyamidoamine dendrimers are used as the cationic polymer and adenovirus is used as the viral agent. The dendrimers help associate plasmid DNA with the adenovirus, which then provokes receptor-mediated endocytosis. Within the endosome, the tertiary amine groups of the dendrimer buffer the pH change in the endosome. Then, the endosomalytic activity of the adenovirus releases the plasmid DNA into the cell. Also preferably, the adenovirus and the dendrimers are mixed before addition to the polynucleotide and the cells are washed after about 1.5 hours of incubation.

DEPR:

In a preferred embodiment, polyamidoamine <u>dendrimers</u> are used as the cationic polymer and adenovirus is used as the viral agent. The <u>dendrimers</u> help associate plasmid DNA with the adenovirus, which then provokes receptor-mediated endocytosis. Within the <u>endosome</u>, the tertiary amine groups of the <u>dendrimer</u> buffer the pH change in the <u>endosome</u>. Then, the endosomalytic activity of the adenovirus releases the plasmid DNA into the cell. It may also be desirable to lyophilize the cationic polymer/viral agent/polynucleotide complex before contacting the eukaryotic cell. Lyophilization can increase the stability of the complex for storage and can enhance the delivery characteristics.

Generate Collection

L13: Entry 3 of 11

File: USPT

Apr 17, 2001

US-PAT-NO: 6218370

DOCUMENT-IDENTIFIER: US 6218370 B1

TITLE: Glycerolipidic compounds used for the transfer of an active substance into

a target cell

DATE-ISSUED: April 17, 2001

US-CL-CURRENT: 514/44; 424/450, 435/325, 435/375, 435/6, 536/23.1

APPL-NO: 9/ 171129

DATE FILED: October 13, 1998

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY

APPL-NO

APPL-DATE

FR

97 01475

February 10, 1997

FR

97 15805

December 12, 1997

PCT-DATA:

APPL-NO

DATE-FILED

PUB-NO

PUB-DATE 371-DATE 102(E)-DATE

PCT/FR98/00250 February 10,

WO98/34910 Aug 13,

Oct 13, 1998

Oct 13, 1998

